
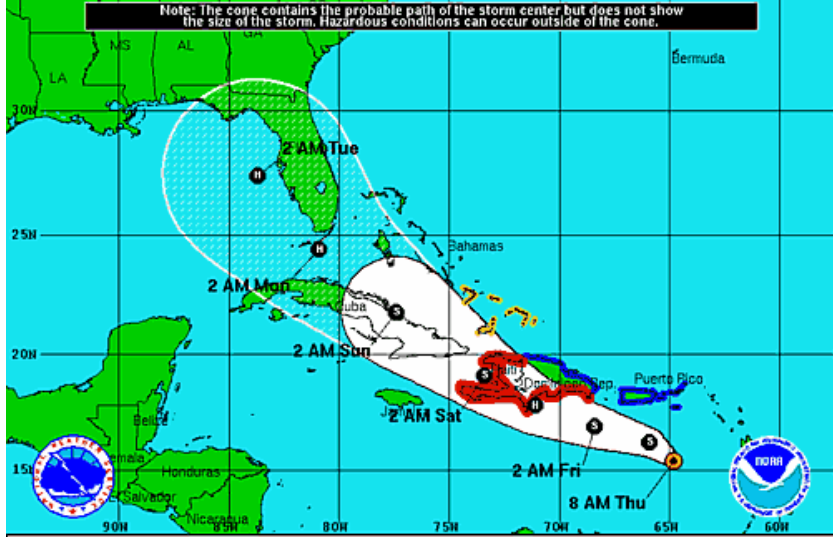


| | | |
|---|---|---|
|  | <h1 style="text-align: center;">City of Fort Lauderdale</h1> <h2 style="text-align: center;">Emergency Management</h2> <h1 style="text-align: center; color: red;">BRIEFING REPORT # 1</h1> | Contact Information Standard hours phone: 954-828-6700 Fax: 954-828-6709 |
| 1. Incident Name TROPICAL STORM ISAAC | 2. Date August 23, 2012 | 3. Time 09:00HRS |
| 4. City EOC Activation Level Level 3- monitoring & assessment | 5. Emergency Declaration: (Local, County, State or Federal) None | 6. Prepared by: EM Coordinator |
| <p>BULLETIN TROPICAL STORM ISAAC INTERMEDIATE ADVISORY NUMBER 9A...CORRECTED NWS NATIONAL HURRICANE CENTER MIAMI FL AL092012 800 AM AST THU AUG 23 2012 AT 800 AM AST...1200 UTC...THE CENTER OF TROPICAL STORM ISAAC HAS REFORMED NEAR LATITUDE 15.4 NORTH...LONGITUDE 64.8 WEST. ISAAC IS MOVING TOWARD THE WEST NEAR 13 MPH...21 KM/H. SOME ERRATIC MOTION TOWARD THE WEST-NORTHWEST TO NORTHWEST COULD OCCUR THIS MORNING... BUT A STEADY MOTION TOWARD THE WEST-NORTHWEST IS EXPECTED TO BEGIN BY THIS AFTERNOON OR TONIGHT AND CONTINUE INTO FRIDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD PASS TO THE SOUTH OF THE VIRGIN ISLANDS AND PUERTO RICO TODAY...AND APPROACH THE DOMINICAN REPUBLIC TONIGHT AND FRIDAY.</p> <p>MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH...65 KM/H...WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS....AND ISAAC COULD BECOME A HURRICANE ON FRIDAY BEFORE IT REACHES HISPANIOLA.</p> <p>TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 140 MILES...220 KM FROM THE CENTER.</p> <p>THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS 1003 MB...29.62 INCHES.</p> | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 50%;"> <p>8. INCIDENT GRAPHICS AND INFORMATION</p>  <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Tropical Storm Isaac Thursday August 23, 2012 8 AM EDT Intermediate Advisory 9A NWS National Hurricane Center</p> </div> <div style="width: 30%;"> <p>Current Information: Center Location 15.4 N 64.8 W Max Sustained Wind 40 mph Movement W at 13 mph</p> </div> <div style="width: 30%;"> <p>Forecast Positions: Tropical Cyclone ● Post-Tropical Sustained Winds: D < 39 mph S 39-73 mph H 74-110 mph M > 110mph</p> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <p>Potential Track Area: Day 1-3 Day 4-5</p> </div> <div style="width: 30%;"> <p>Watches: Hurricane Trop.Storm</p> </div> <div style="width: 30%;"> <p>Warnings: Hurricane Trop.Storm</p> </div> </div> </div> <div style="width: 45%;"> <p>National Hurricane Center 8/23/12 8:30AM Briefing:</p> <ul style="list-style-type: none"> <input type="checkbox"/> TS Isaac center is disorganized <input type="checkbox"/> Center was located south of Storm Location <input type="checkbox"/> No Change in future track as of 8 AM Advisory <input type="checkbox"/> Models are more in better agreement on track towards Florida on days 4-5 <input type="checkbox"/> TS winds Probabilities are increasing <input type="checkbox"/> Impact to South Florida is too early to predict <input type="checkbox"/> Timing of TS Winds arrival in our area will be on Sunday <p>Fort Lauderdale Emergency Management Office will continue to monitor the progress of TS Isaac.</p> <p>The next EM Briefing Report will be distributed after the Friday, August 24, 2012 8:30AM Hurricane Center Briefing</p> </div> </div> | | |
| 9. APPROVED BY Battalion Chief Jo-Ann Lorber | 10. TITLE Emergency Manager | 11. DATE/TIME August 23, 2012/ 09:00HRS |

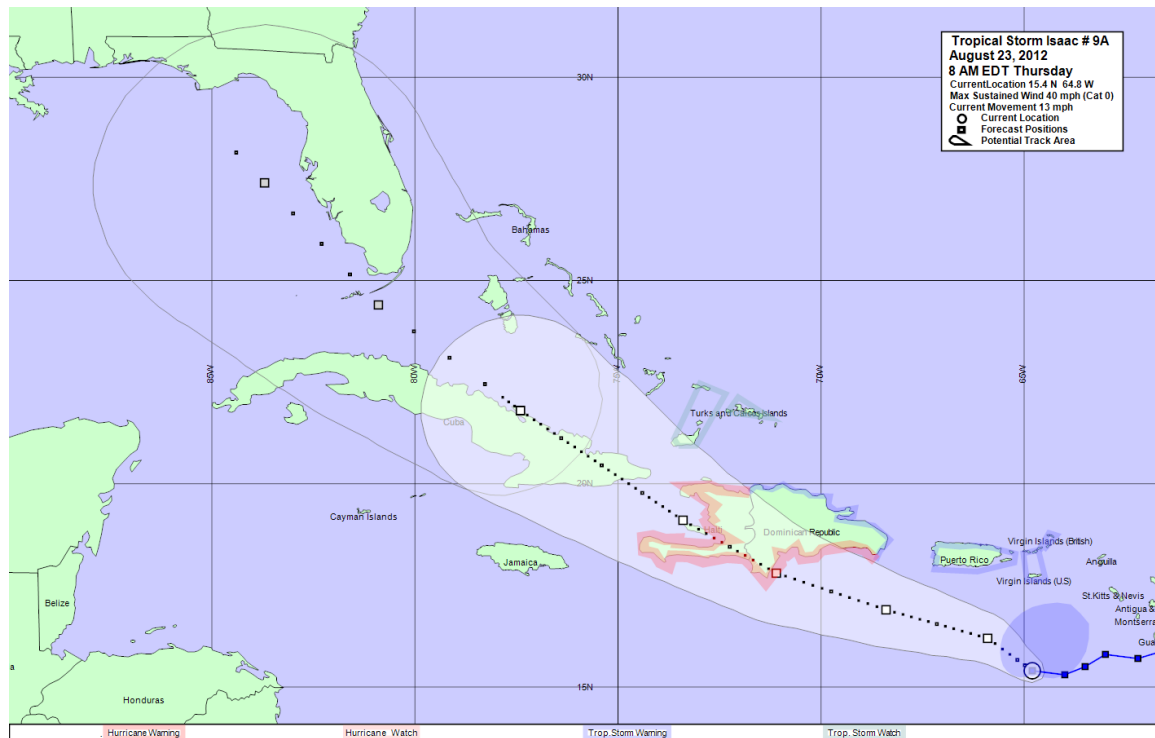
Storm Summary for Tropical Storm Isaac

Thursday, August 23, 2012 at 8 AM EDT

(Output from Hurrevac, based on National Hurricane Center Forecast Advisory # 9A)

Isaac is currently a tropical storm on the Saffir-Simpson Hurricane Wind Scale, with maximum sustained winds of 40 mph (35 kts), moving west at 13 mph. The estimated minimum central pressure is 1003 mb. Tropical storm-force winds extend outward up to 140 miles (220 km) from the storm center.

Certain coastal locations are under Hurricane Warning, Tropical Storm Warning, and Tropical Storm Watch as illustrated in the map below. The geographic extents of these watches and warnings are detailed in the advisory text at the end of this report.



WTNT34 KNHC 231155

BULLETIN

TROPICAL STORM ISAAC INTERMEDIATE ADVISORY NUMBER 9A
NWS NATIONAL HURRICANE CENTER MIAMI FL AL092012
800 AM AST THU AUG 23 2012

...ISSAC MOVING WESTWARD THROUGH THE EASTERN CARIBBEAN SEA...

SUMMARY OF 800 AM AST...1200 UTC...INFORMATION

LOCATION...15.4N 64.8W

ABOUT 225 MI...360 KM SSE OF SAN JUAN PUERTO RICO

ABOUT 315 MI...505 KM ESE OF ISLA SAONA DOMINICAN REPUBLIC

MAXIMUM SUSTAINED WINDS...40 MPH...65 KM/H

PRESENT MOVEMENT...W OR 270 DEGREES AT 13 MPH...21 KM/H

MINIMUM CENTRAL PRESSURE...1003 MB...29.62 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE METEOROLOGICAL SERVICE OF BARBADOS HAS DISCONTINUED THE TROPICAL STORM WARNING FOR DOMINICA.

THE GOVERNMENT OF ANTIGUA HAS DISCONTINUED THE TROPICAL STORM WARNING FOR ST. KITTS...NEVIS...ANTIGUA...BARBUDA...MONTserrat...AND ANGUILLA.

THE GOVERNMENT OF CURACAO HAS DISCONTINUED THE TROPICAL STORM WARNING FOR SABA...ST. EUSTATIUS...AND ST. MAARTEN.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* SOUTH COAST OF DOMINICAN REPUBLIC FROM ISLA SAONA WESTWARD TO THE HAITI-DOMINICAN REPUBLIC SOUTHERN BORDER

* HAITI

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* BRITISH VIRGIN ISLANDS

* PUERTO RICO...VIEQUES...CULEBRA...AND THE U.S. VIRGIN ISLANDS

* NORTH COAST OF DOMINICAN REPUBLIC FROM THE HAITI-DOMINICAN REPUBLIC NORTHERN BORDER EASTWARD TO NORTH OF ISLA SAONA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* SOUTHEASTERN BAHAMAS INCLUDING THE ACKLINS...CROOKED ISLAND...LONG CAY...THE INAGUAS...MAYAGUANA...AND THE RAGGED ISLANDS AND THE TURKS AND CAICOS ISLANDS

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE

POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

INTERESTS IN CUBA...JAMAICA...AND ELSEWHERE IN THE BAHAMAS SHOULD MONITOR THE PROGRESS OF ISAAC.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS

DISCUSSION AND 48-HOUR OUTLOOK

AT 800 AM AST...1200 UTC...THE CENTER OF TROPICAL STORM ISAAC HAS REFORMED NEAR LATITUDE 15.4 NORTH...LONGITUDE 64.8 WEST. ISAAC IS MOVING TOWARD THE WEST NEAR 13 MPH...21 KM/H. SOME ERRATIC MOTION TOWARD THE WEST-NORTHWEST TO NORTHWEST COULD OCCUR THIS MORNING... BUT A STEADY MOTION TOWARD THE WEST-NORTHWEST IS EXPECTED TO BEGIN BY THIS AFTERNOON OR TONIGHT AND CONTINUE INTO FRIDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD PASS TO THE SOUTH OF THE VIRGIN ISLANDS AND PUERTO RICO TODAY...AND APPROACH THE DOMINICAN REPUBLIC TONIGHT AND FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 40 MPH...65 KM/H...WITH HIGHER GUSTS. STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC COULD BECOME A HURRICANE ON FRIDAY BEFORE IT REACHES HISPANIOLA.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 140 MILES...220 KM FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT IS 1003 MB...29.62 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE SUBSIDING OVER THE LEEWARD ISLANDS. TROPICAL STORM CONDITIONS ARE EXPECTED OVER PUERTO RICO AND THE U.S. AND BRITISH VIRGIN ISLANDS TODAY. HURRICANE CONDITIONS ARE EXPECTED OVER PORTIONS OF THE DOMINICAN REPUBLIC BY TONIGHT OR EARLY FRIDAY...AND OVER PORTIONS OF HAITI ON FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE OVER THE SOUTHEASTERN BAHAMAS AND THE TURKS AND CAICOS ISLANDS BY LATE FRIDAY.

RAINFALL...TOTAL RAIN ACCUMULATIONS OF 4 TO 8 INCHES ARE POSSIBLE OVER THE NORTHERN WINDWARD ISLANDS AND THE LEEWARD ISLANDS. TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES...WITH MAXIMUM AMOUNTS OF 10 INCHES OVER HIGHER TERRAIN...ARE POSSIBLE OVER PUERTO RICO AND THE VIRGIN ISLANDS. TOTAL RAINFALL ACCUMULATIONS OF 8 TO 12 INCHES... WITH MAXIMUM AMOUNTS OF 20 INCHES...ARE POSSIBLE OVER HISPANIOLA. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AND MUD SLIDES.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE NORMAL TIDE LEVELS IN AREAS OF ONSHORE WINDS ALONG THE COAST OF HISPANIOLA. A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IN THE NORTHERN LEEWARD ISLANDS...PUERTO RICO...AND THE U.S. AND BRITISH VIRGIN ISLANDS. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY

DANGEROUS WAVES.

SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL AFFECT THE WINDWARD ISLANDS...LEEWARD ISLANDS...VIRGIN ISLANDS...AND PUERTO RICO DURING THE NEXT COUPLE OF DAYS. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

NEXT ADVISORY

NEXT COMPLETE ADVISORY...1100 AM AST.

\$\$

FORECASTER BEVEN

WWW

000

WTNT44 KNHC 230858

TROPICAL STORM ISAAC DISCUSSION NUMBER 9

NWS NATIONAL HURRICANE CENTER MIAMI FL AL092012

500 AM AST THU AUG 23 2012

AN AIR FORCE RECONNAISSANCE AIRCRAFT INVESTIGATING ISAAC THIS MORNING HAS FOUND A POORLY DEFINED INNER CORE WITH A LARGE AREA OF LIGHT WINDS AROUND A CENTER...WHICH IS SIMILAR TO WHAT AN EARLIER NOAA RESEARCH MISSION INDICATED. RADAR DATA FROM GUADELOUPE AND SAN JUAN ALSO INDICATE A POORLY DEFINED INNER CORE CONVECTIVE PATTERN. RATHER THAN INITIALIZE THE CENTER OF ISAAC WELL TO THE SOUTH OF THE PREVIOUS TRACK...I HAVE OPTED TO USE A BLEND OF THE RECON FIXES... SATELLITE IMAGERY...DATA FROM NEARBY NOAA BUOY 42060...AND A 06Z CONSENSUS FORECAST POSITION FROM THE GFS...ECMWF...AND UKMET MODELS. THE INITIAL INTENSITY WAS ALSO DECREASED TO 35 KT BASED ON DATA FROM THE RECON AIRCRAFT AND NOAA BUOY 42060.

THE INITIAL MOTION ESTIMATE IS AN UNCERTAIN 270/12 KT. THE 00Z GFS...ECMWF...AND UKMET MODELS DID AN OUTSTANDING JOB PREDICTING THE RECENT SOUTHWESTWARD JOG OR REFORMATION OF THE CENTER OF ISAAC. THOSE SAME MODELS ARE ALSO FORECASTING ISAAC TO MAKE A SHARP JOG TO THE NORTHWEST OVER THE NEXT 12-24 HOURS...AND THEN STEADY OFF ON A GENERAL WEST-NORTHWESTWARD MOTION THROUGH 48 HOURS. AFTER THAT... THE GLOBAL AND REGIONAL MODELS HAVE COME INTO BETTER AGREEMENT ON ISAAC MOVING NORTHWESTWARD TOWARD A BREAK IN THE SUBTROPICAL RIDGE THAT IS FORECAST TO DEVELOP AFTER 72 HOURS ACROSS FLORIDA AND THE EASTERN GULF OF MEXICO. THE ECMWF MODEL HAS CONTINUED ITS EASTWARD SHIFT OVER THE PAST 36 HOURS...AND EVEN THE LATEST NOGAPS AND CANADIAN MODEL RUNS HAVE SHIFTED WELL TO THE WEST ACROSS THE FLORIDA PENINSULA ARE NOW NO LONGER CONSIDERED TO BE OUTLIERS. DUE TO LESS SPREAD IN THE LATEST NHC MODEL GUIDANCE...AND THE FACT THAT ECMWF HAS SHIFTED CLOSER TO THE PREVIOUS FORECAST AT DAYS 4 AND 5...THE OFFICIAL FORECAST TRACK IS JUST AN UPDATE OF THE PREVIOUS ADVISORY TRACK...AND IS CLOSE TO THE DYNAMICAL CONSENSUS MODELS TVCA AND TV15.

UPPER-AIR DATA FROM ST. MAARTEN AT 00Z CONFIRMS THE DRY AIR IN THE MID-LEVELS OF THE ATMOSPHERE BETWEEN 600 AND 300 MB AS ALLUDED TO IN PREVIOUS DISCUSSIONS. THIS LAYER OF VERY DRY AIR HAS BEEN HINDERING CONVECTIVE DEVELOPMENT IN THE NORTHEASTERN QUADRANT FOR THE PAST 3-4 DAYS. HOWEVER...THE GLOBAL MODELS ARE IN GOOD

AGREEMENT ON THE DRY AIR MIXING OUT OVER THE NEXT 36 HOURS AND THE INNER CORE BECOMING QUITE MOIST...WHICH SHOULD ALLOW FOR SOME STEADY INTENSIFICATION TO OCCUR BEFORE ISAAC INTERACTS WITH THE MOUNTAINOUS TERRAIN OF HISPANIOLA. GIVEN THE IMPRESSIVE UPPER-LEVEL OUTFLOW PATTERN THAT THE CYCLONE HAS DEVELOPED...ISAAC IS STILL EXPECTED TO BECOME A HURRICANE BY 36 HOURS. AFTER THAT...HOWEVER...THE THE PRIMARY IMPEDIMENT TO STRENGTHENING WILL BE THE INTERACTION WITH THE LAND MASSES OF HISPANIOLA AND EASTERN CUBA. HOW MUCH THE INNER CORE OF ISAAC IS DISRUPTED WHILE OVER LAND WILL DETERMINE JUST HOW MUCH RE-STRENGTHENING WILL OCCUR ONCE THE CENTER MOVES BACK OVER WATER AFTER 72 HOURS. THE OFFICIAL INTENSITY FORECAST IS SIMILAR TO THE PREVIOUS FORECAST AND IS IN REASONABLE AGREEMENT WITH THE DECAY-SHIPS AND LGEM INTENSITY MODELS.

FORECAST POSITIONS AND MAX WINDS

| | | | | | |
|------|----------|-------|-------|-------|---------------------|
| INIT | 23/0900Z | 15.3N | 64.0W | 35 KT | 40 MPH |
| 12H | 23/1800Z | 16.2N | 65.9W | 40 KT | 45 MPH |
| 24H | 24/0600Z | 16.9N | 68.4W | 50 KT | 60 MPH |
| 36H | 24/1800Z | 17.8N | 71.1W | 65 KT | 75 MPH |
| 48H | 25/0600Z | 19.1N | 73.4W | 55 KT | 65 MPH |
| 72H | 26/0600Z | 21.8N | 77.4W | 60 KT | 70 MPH...INLAND |
| 96H | 27/0600Z | 24.4N | 80.9W | 65 KT | 75 MPH...OVER WATER |
| 120H | 28/0600Z | 27.4N | 83.7W | 70 KT | 80 MPH |

\$\$

FORECASTER STEWART